

100EED 08022860

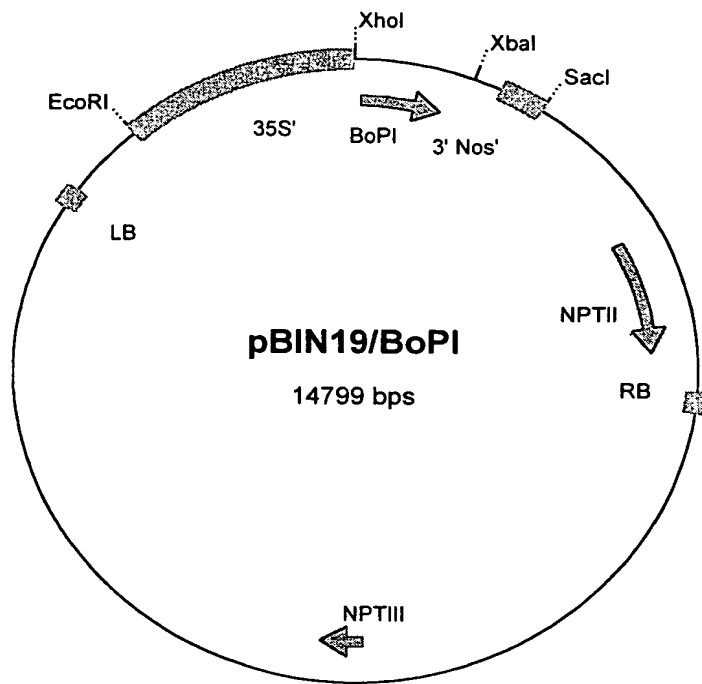


FIGURE 1

NIXON PEABODY LLP
Clinton Square, P.O. Box 31051
Rochester, New York 14603-1051
Telephone: (716) 263-1304

Inventors: **C. Neal Stewart, Jr.**
Roxanne M. Broadway
Title: **CABBAGE PROTEINASE INHIBITOR**
GENE CONFERS RESISTANCE AGAINST
PLANT PESTS
Serial No.: **To be assigned**
Docket No.: **19603/2420 (CRF D-2354)**
Express Mail No.: **EL709323722US**

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MMXSTIFFLLPLPCAF TTTSYLP S A I A D F V L D N E G N P L E N G G T Y Y I I L S D I - - T 46
MMNPNMFFLL--AF TT V L A A T A N A G P P V L D T D G D I I F D G S - Y Y V L P L T W G P 48
MMK T F F L V T L L L A A - - - - A V C T H G R E B Q V K D S N G N P V K R G A K Y F I O P A - K S N 45

A F G G I R A A P T G N B R C P L T V V Q S R N R E L D K G I G T I I S - S P Y R I R - - P I A E G H 94
 T G G G L T L V S R R G N Q C P L F I G Q Q E R S B V N R R G I P V K F S N W R S R V G - - F V P R E E 95
 A G G L V P A A I N L L P F C P L G I T Q T L L P Y Q P G L P V S F G Y B B P V I V G T D Y I Y T S T 95

PP LSL R T D S F A - V I - - - - M L C V G I P T B W S V V E D L P B G P A V K I G E N K D A M 141
NN L N I K M D V E P - T I C A Q S A Y W W V T P A P S P W R S L - - F I A A G P K P E A G G E D S S 138
T T I N I E P E S D I N P V C N E L S K L W A V D V S S - - - - A A K E P A I I G G E S T A P 139

D G W F R L E R V S D D E F N N Y K L V F C P Q Q A E D D K C G D I G I S I D H D D G T R R L V V S 188
 R S F P Q I K K - T E A K L N A Y K F V F C - - - S E C N D C - - I D V G K N E E G G V R G L V L G 185
 N S L P K I E E A T E A - - N T Y K L - - - - T T S Y G T V G T I P G P W L S A P Q L I V T 179

KN - - RP L V V Q P Q R K L D K E S L A K K N H G L S R S B 216
S S T - - P P F A T P F B V V F V K K A T G T D T S S K T M S I I 214
N N D E S K T L F V K P F V K V D D A A T K A T T S T S R V E K L G L K M F P F Y 218

G. max
B. oleracea
B. napus

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FIGURE 3

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Clinton Square, P.O. Box 31051
Rochester, New York 14603-1051
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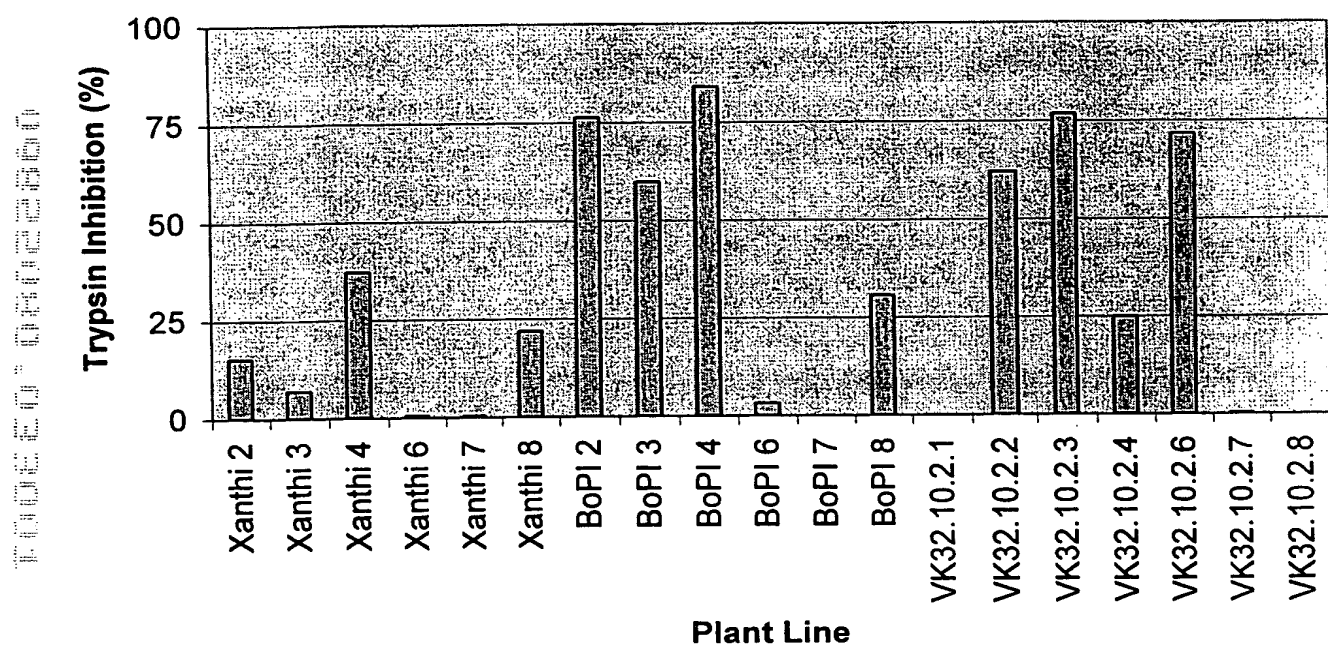


FIGURE 4

NIXON PEABODY LLP
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Rochester, New York 14603-1051
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Larvae length (mm)

Transgene

Legend:
 ■ CEW
 ■ TBW(YDK)
 □ TBW(YHD2)

Transgene	CEW (mm)	TBW(YDK) (mm)	TBW(YHD2) (mm)
Wild-Type	~5.4	~4.2	~4.1
Bt	~1.2	~0.8	~0.8
BoPI	~2.0	~1.2	~3.2
AT	~2.3	~2.4	~2.1
AC	~3.8	~2.3	~1.6
AE	~1.8	~2.4	~1.7

FIGURE 5

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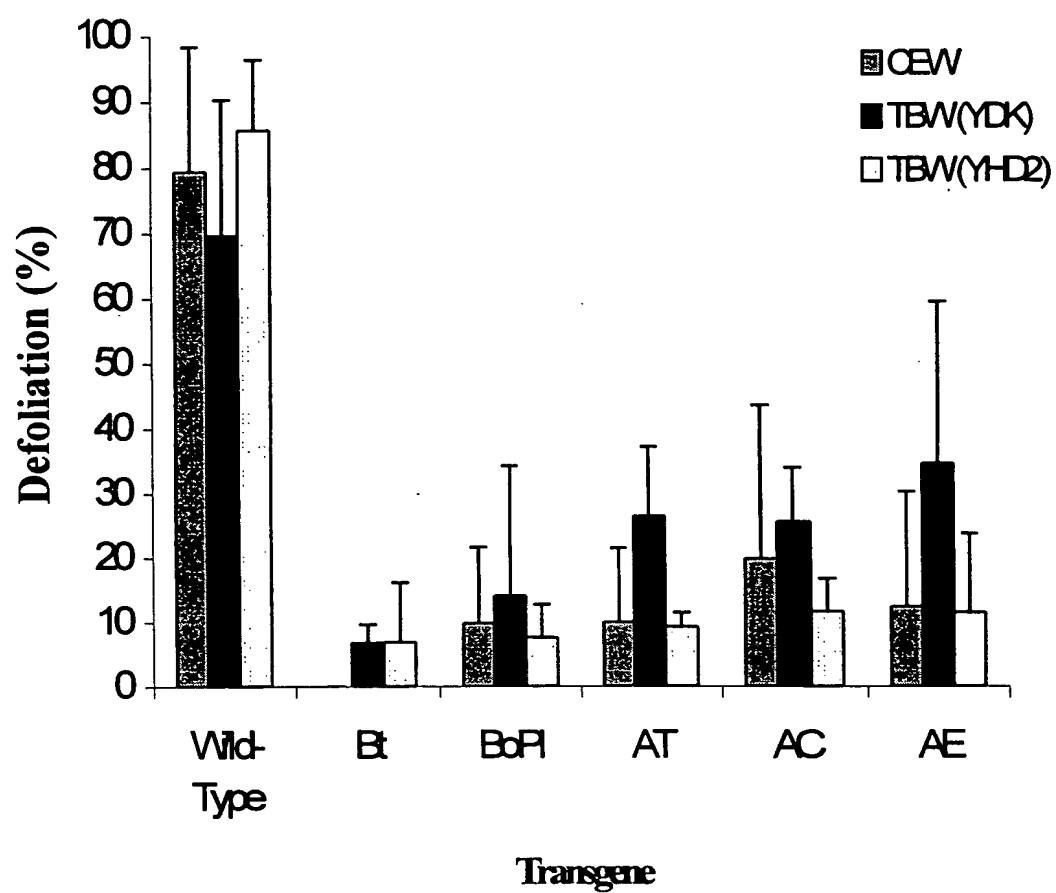


FIGURE 6

NIXON PEABODY LLP

**Clinton Square, P.O. Box 31051
Rochester, New York 14603-1051
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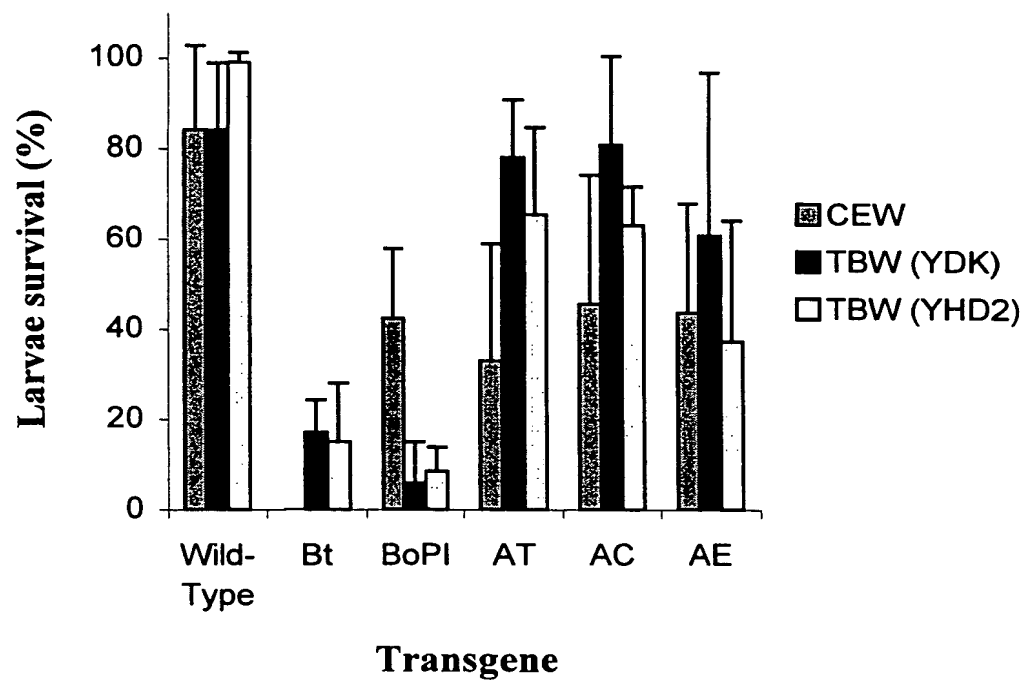


FIGURE 7

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